# C540
COMPACT
DISC PLAYER

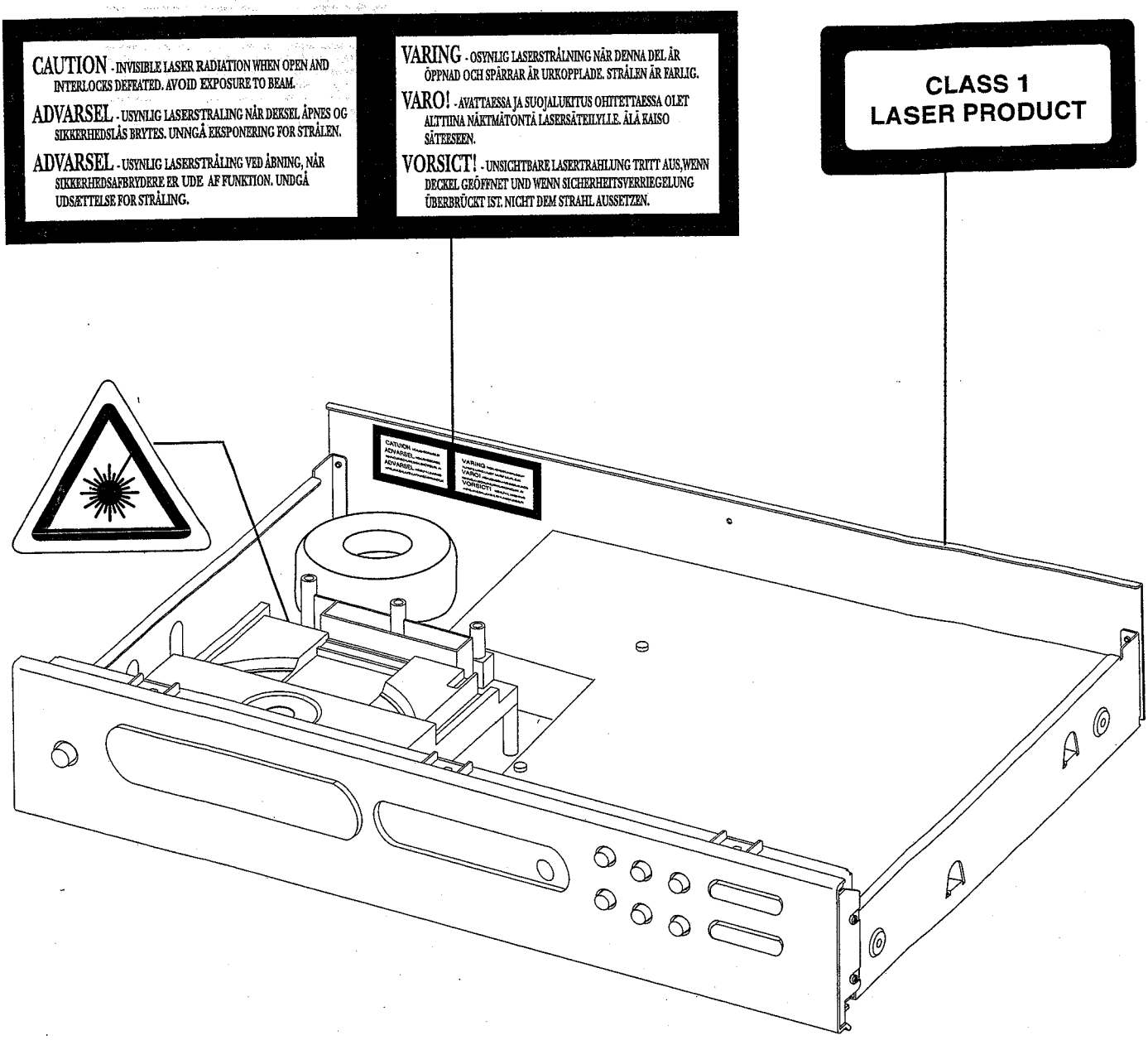
C540
COMPACT
DISC PLAYER

# SERVICE MANUAL

NAD

# SAFETY INFORMATION

## CAUTION


CAUTION - INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.
ADVARSEL - USYNLIG LASERSTRALING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
ADVARSEL - USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.
VARING - OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRRAR ÄR URKOPPLADE. STRÅLEN ÄR FARLIG.
VARO! - AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKTMÄTONTÄ LASERSÄTEILYLLE. ÄLÄ KAISO SÄTEESEEN.
VORSICT! - UNSICHTBARE LASERTRAHLUNG TRITT AUS,WENN DECKEL GEÖFFNET UND WENN SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT IST. NICHT DEM STRAHL AUSSETZEN.
CLASS 1
LASER PRODUCT

| | |
|---|---|
| The lightening flash with arrowhead, within an equilateral triangle is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure; that may be of sufficient magnitude to constitute a risk of electric shock to persons. | The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. |

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS :-
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

# SERVICE SAFETY PRECAUTIONS

## 1. Replacing the fuses

**CAUTION:** FOR CONTINUED PROTECTION AGAINST THE RISK OF FIRE REPLACE ONLY WITH SAME TYPE OF FUSE.

| Reference No | Part Number | Description |
|---|---|---|
| M507*AH | 5120-0052-0 | Fuse 1.6A 250V Time Lag (UL/CSA) |
| M512-M513*AH | 5120-0020-0 | Fuse 1A 250V Time Lag (UL/CSA) |
| M514*AH | 5120-0026-0 | Fuse 315mA 250V Time Lag LBC (UL/CSA) |
| M507*C | 5120-0050-0 | Fuse 1.6A 250V Time Lag (SEMKO/VDE) |
| M512-M513*C | 5120-0018-0 | Fuse 1A 250V Time Lag (SEMKO/VDE) |
| M514*C | 5120-0027-0 | Fuse 315mA 250V Time Lag (SEMKO/VDE) |

NOTE :

<*AH > : USA, CANADIAN MODEL ONLY.

<*C > : EUROPEAN MODEL ONLY.

## 2. Safety check out

(Only U.S.A. model)

Before returning the product to the customer, make leakage current or resistance measurements to determine that exposed parts are acceptably insulated from the supply circuit.

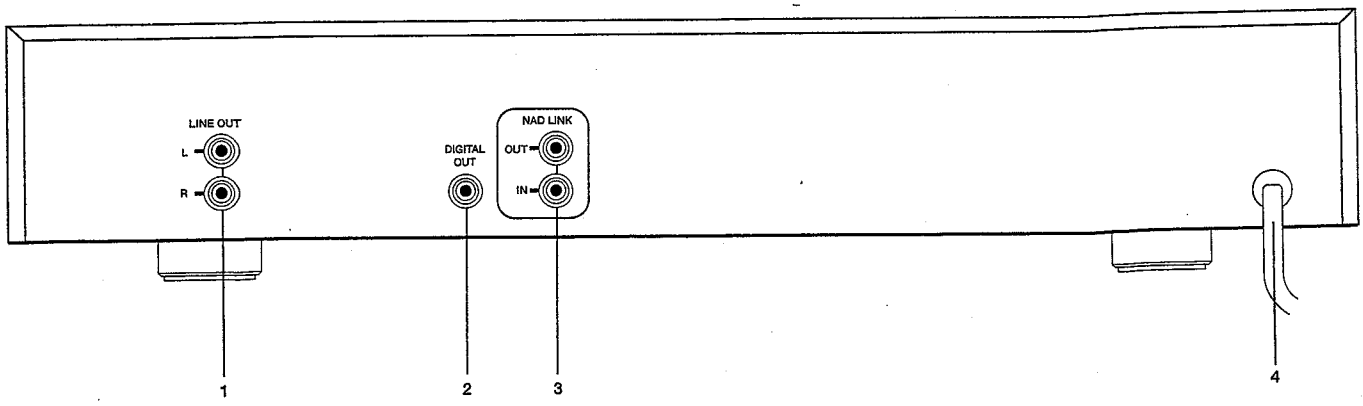
Parts marked with the symbol ⚠ are critical with regard to the risk of fire and electric shock. Replace only with parts recommended by the manufacturer.

# CONTENTS


| DESCRIPTION | PAGE |
|---|---|
| REAR PANEL / FRONT PANEL VIEW | 4 |
| SPECIFICATIONS | 5 |
| DISASSEMBLY INSTRUCTIONS | 6 |
| BLOCK DIAGRAM | 7 |
| WIRING DIAGRAM | 8 |
| RF PATTERN TESTING | 9 |
| IMPORTANT NOTES | 10 -11 |
| PCB LAYOUT | 12 -14 |
| SCHEMATIC DIAGRAM | 15 -16 |
| IC BLOCK DIAGRAM | 17 -19 |
| TROUBLESHOOTING GUIDE | 20 |
| ELECTRICAL PARTS LIST | 21 -23 |
| MECHANISM EXPLODED VIEW | 24 |
| MECHANISM EXPLODED VIEW PARTS LIST | 25 |
| EXPLODED VIEW | 26 |
| EXPLODED VIEW PARTS LIST | 27 |
| PACKING DIAGRAM | 28 |

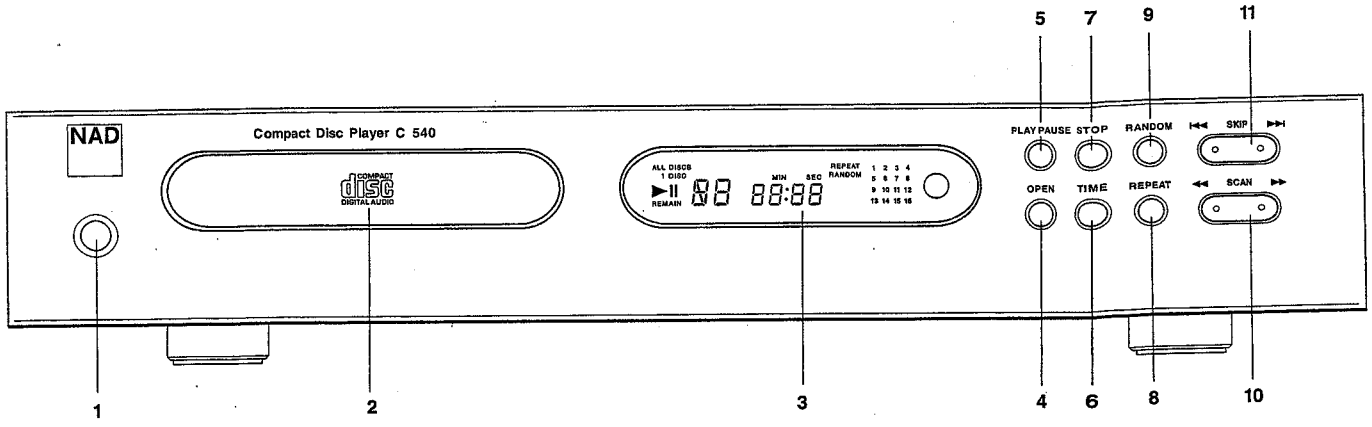
# REAR PANEL / FRONT PANEL VIEW

## REAR PANEL




1. LINE OUTPUT
2. DIGITAL OUTPUT
3. NAD LINK
4. AC LINE CORD

## FRONT PANEL




1. POWER ON / OFF
2. DISC DRAWER
3. DISPLAY
4. OPEN
5. PLAY / PAUSE
6. TIME
7. STOP
8. REPEAT
9. RANDOM
10. SCAN BACK / SCAN FORWARD (◀◀ / ▶▶)
11. SKIP BACK / SKIP FORWARD (|◀◀ / ▶▶|)

# SPECIFICATIONS

| | | |
|---|---|---|
| Disc Capacity | | One Disc, 120 or 80 mm |
| Decoding | | BURR-BROWN Delta Sigma 24 bit |
| Digital Filter | | 8 Times oversample |
| Analog Filter | | 4 pole active |
| Frequency Response | | +/- 0.5 dB, 5 Hz - 20 kHz |
| De-Emphasis Error | | +/- 0.3 dB |
| THD (at 0 dB, 1 kHz) | | 0.007% |
| Intermodulation Distortion (19 + 20 kHz) | | < -100 dB |
| Dynamic Range | | 96 dB |
| Linearity | | +/- 0.5 dB, 0 dB to -80 dB |
| Signal / Noise Ratio (A-Weighted) | | ≥102 dB, De-Emphasis on |
| | | ≥102 dB, De-Emphasis off |
| Channel Separation | 1 kHz | > 90 dB |
| | 10 kHz | > 80 dB |
| Wow and Flutter | | Unmeasurable (Quartz Crystal Accuracy) |
| Output Impedance | | 200 Ω |
| Output level at 0 dB | | 2.0 V rms |
| Digital Error Correction | | CIRC with double error correction in C1 and C2 |
| Digital Code Output | | Sony / Philips Serial data format |

## CONTROLS

Play / Pause, Stop, Random, Skip (< >), Scan (< >), Open, Time, Repeat.

## PHYSICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions (Width x Height x Depth) | 435 x 80 x 285 mm |
| Net weight | 4 kg (8.8 lbs) |
| Shipping weight | 5.1 kg (11.22 lbs) |

# DISASSEMBLY INSTRUCTIONS

1. Remove machine screws M 4.0 x 6.0 ( ① to ④ ) from the side panels.
   Remove tapping screw 3.0 x 8.0 ⑤ from the back panel.
   Refer to **Figure No. 1.**

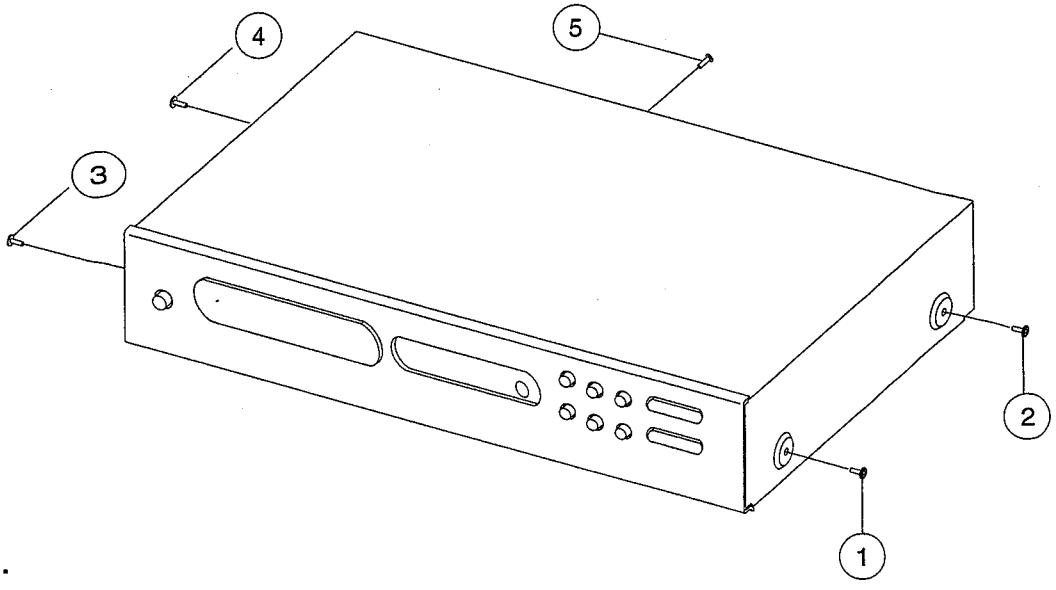



**Figure No. 1.**

2. Pull both sides of the TOP COVER slightly outwards ⑥ and tilt approx. 35° and then remove in the direction as indicated by the arrow ⑦. Refer to **Figure No. 2.**

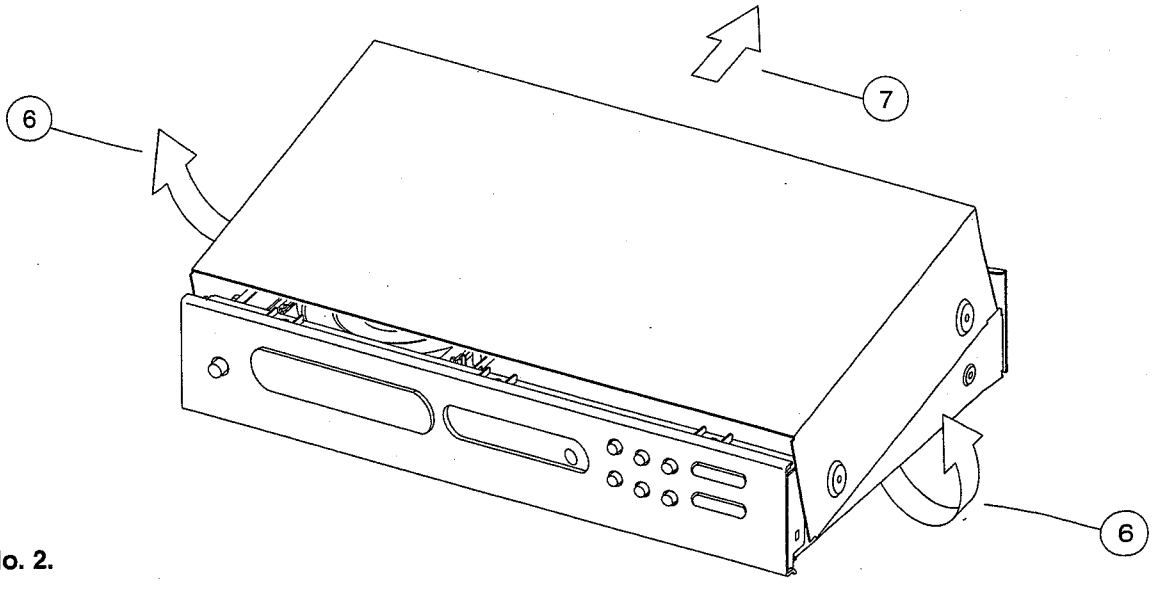
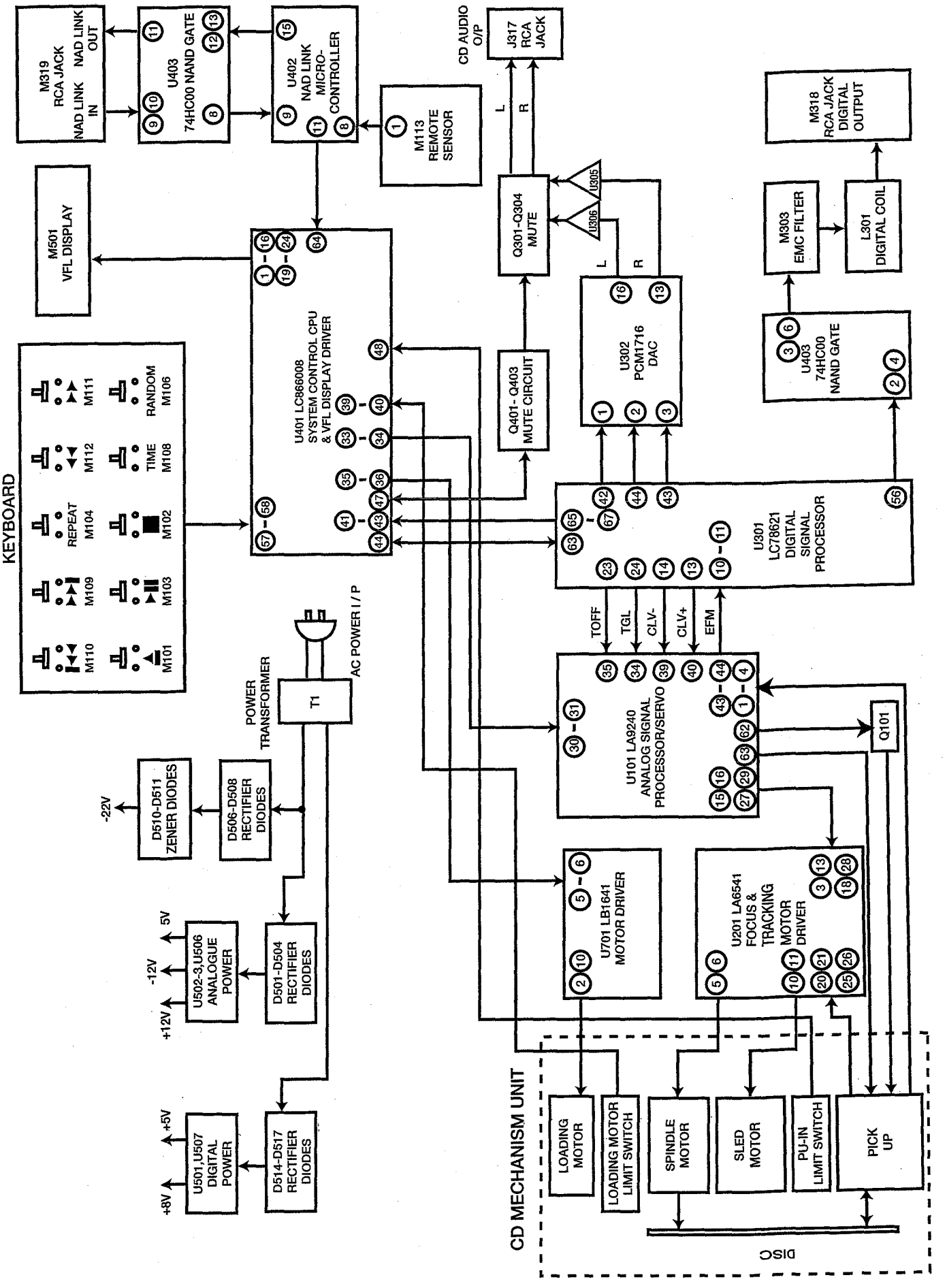
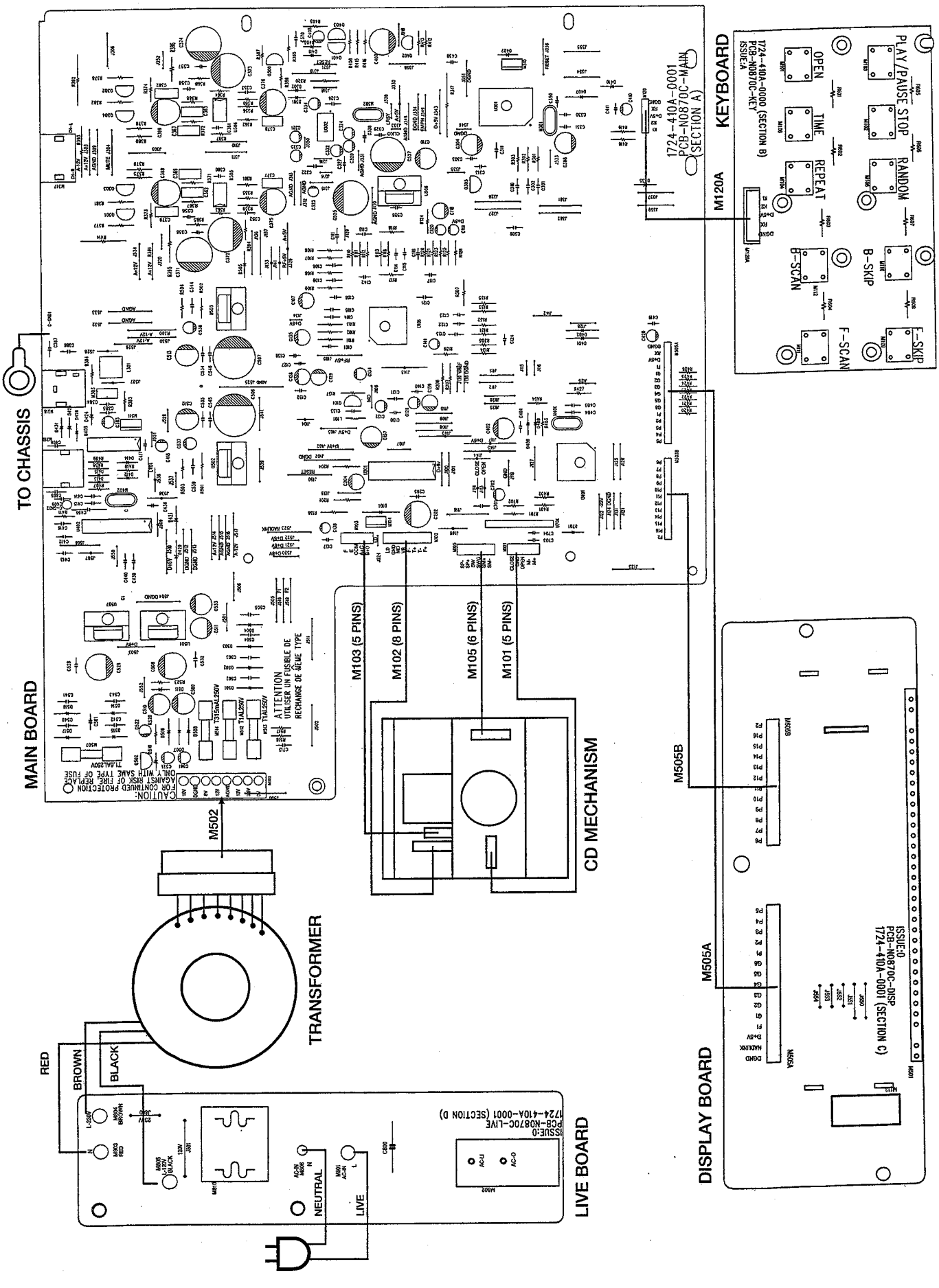



**Figure No. 2.**

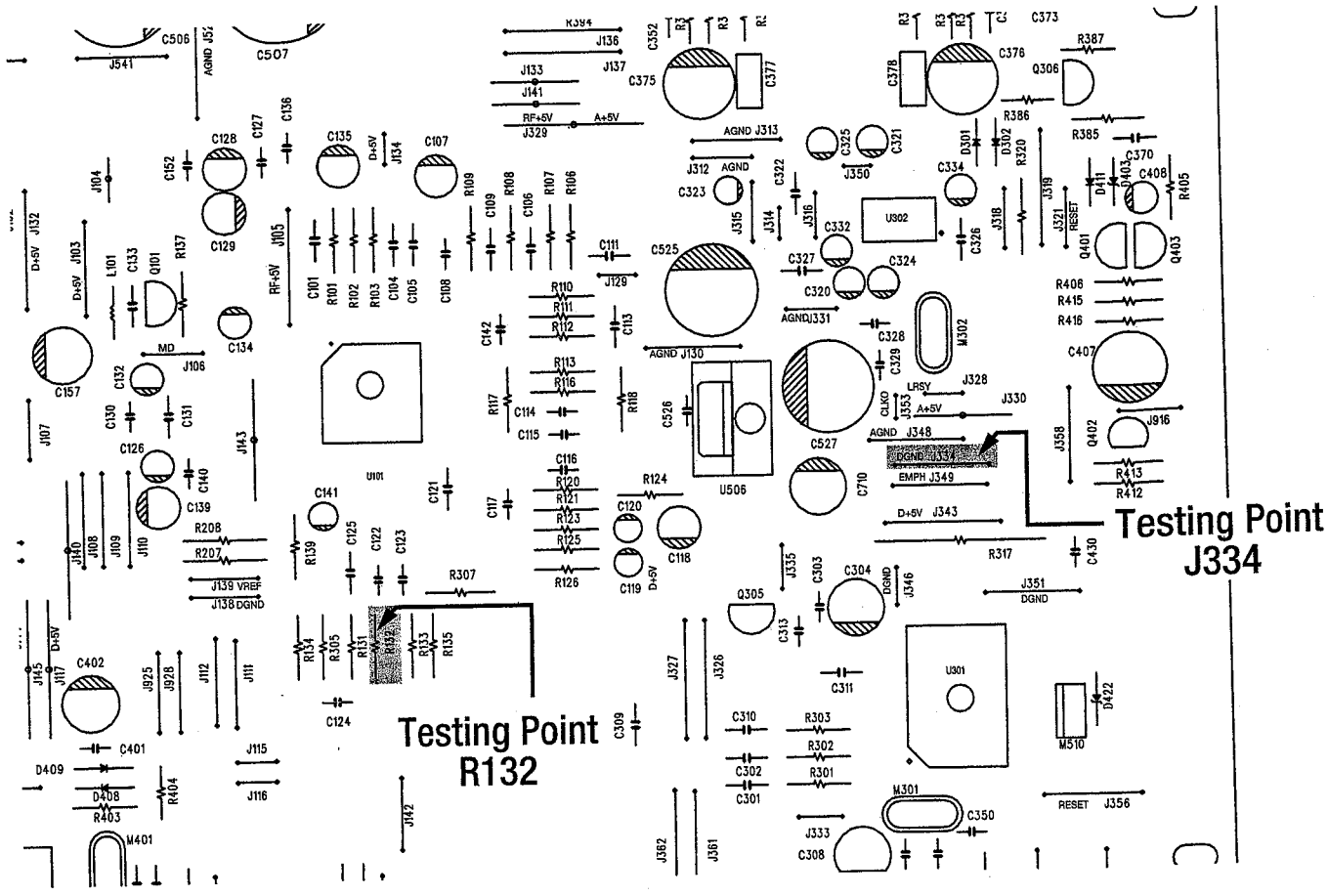
# BLOCK DIAGRAM



# WIRING DIAGRAM



# RF PATTERN TESTING




NAD – C540 PCB TESTING POINTS DIAGRAM

## TESTING PROCEDURE

(1) Load the test disc (Sony Test CD YEDS-7) and set the unit into PLAY mode.

(2) Connect the scope to R132 (Pin 41 of U101) and DGND (J334).

Scope setting: Coupling : AC.
Vertical sensitivity : 0.2 V/div.
Horizontal time base : 0.5 µS/div.

(3) Observe the waveform is 2.0V p-p +/- 5% and the eye pattern is at its best shape (see **FIG. 1**).

**FIG. 1 (a)**

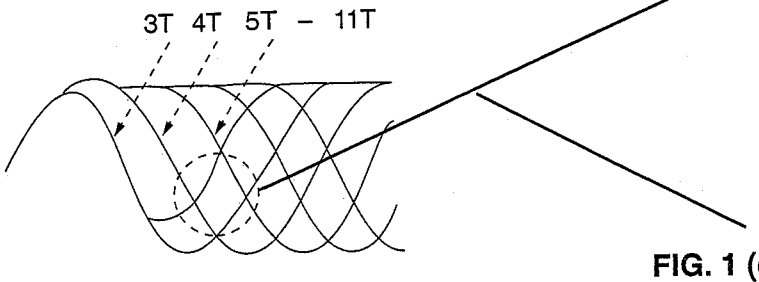
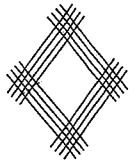



**FIG. 1 (b) Poor eye pattern**



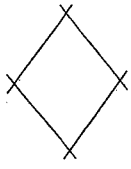


**FIG. 1 (c) Good eye pattern**

# IMPORTANT NOTES

## INSTRUCTION FOR HANDLING OPTICAL SYSTEM BLOCK PICK-UP

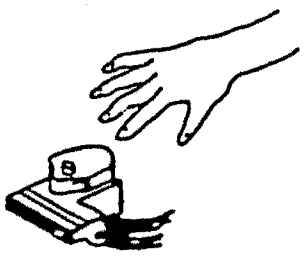
Electrostatic breakdown of the laser diode in the optical system block may occur due to a potential difference caused by electrostatic charge accumulated on clothing, human body, etc. A ground must be provided as follows to prevent any electrostatic charge during unpacking or repair work.

1. Ground for Human Body
Be sure to wear a ground band (1M ohm) that is properly grounded to remove any static electricity that may be charged on the body.

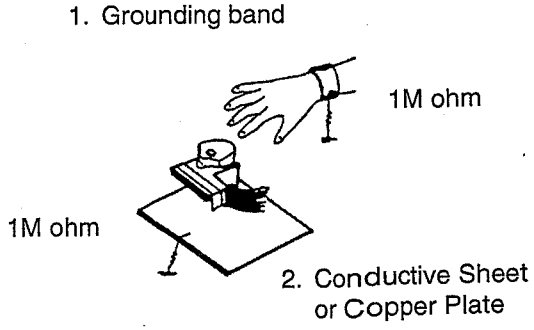
2. Ground for Work Bench
Be sure to place a conductive sheet (1M ohm) or copper plate with proper grounding on the work bench or other surface on which the pick-up is to be placed.

3. Because the static electricity charge on the clothing does not discharge through the body grounding band, do not let clothing to get in contact with the pick-up unit.

**INCORRECT**



**CORRECT**




**NOTE:** Laser diodes are so susceptible to damage from static electricity that even if a static discharge does not ruin the diode, it can shorten its life or cause it to work improperly.

## PRECAUTIONS FOR CHECKING BEAM EMISSION

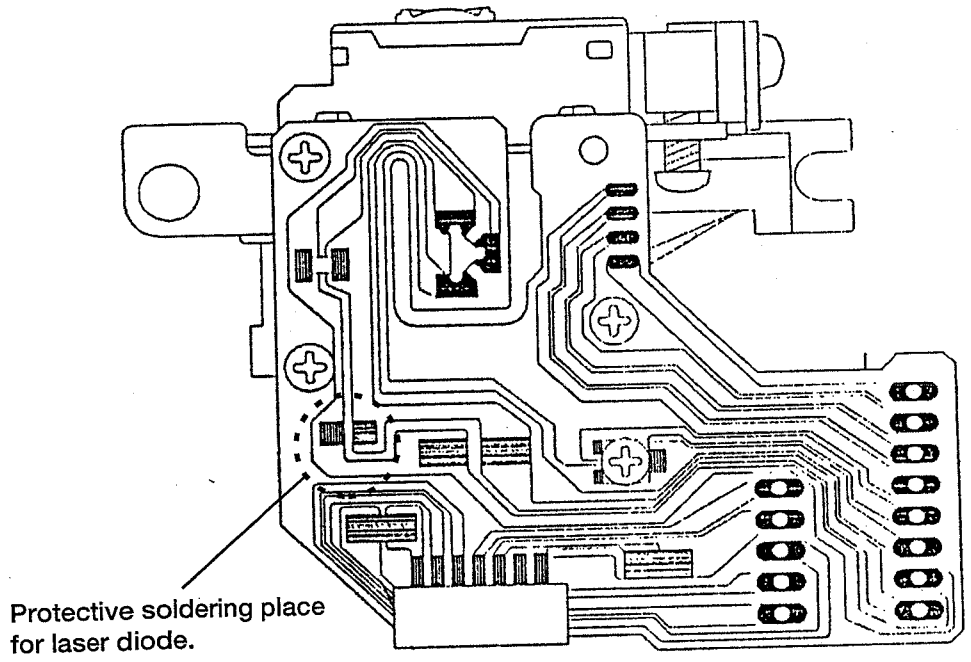
The laser beam of this unit is focused on the reflecting surface of the objective lens in the optical system block. Therefore, keep your eyes at least 12 inches (30 cm) away from the objective lens when the laser diode is **ON**.
(Operation Check Method for Laser Diode and Focus Search Function.)
When the **POWER** switch is turned **ON** after the chucking plate is removed, observe the objective lens and confirm that the following operations are performed properly.
(The optical system block should be at the lead-in area position when it is checked at this time.)
(1) The laser should be at the innermost position after the chucking plate is removed.
(2) The diffused light of the laser beam can be seen when the **POWER** switch is turned **ON**.
(3) Vertical (up and down) movement of the objective lens (4 times) will take place.

## PRECAUTIONS WHEN CHANGING LASER PICK-UP

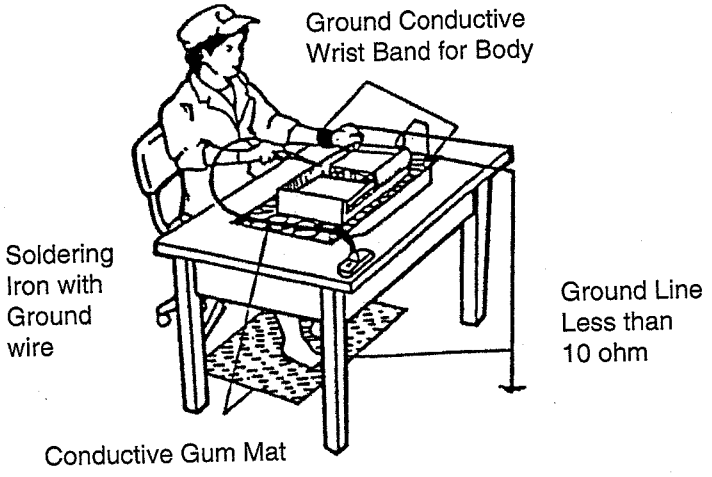
When removing the pick-up assembly, short circuit the PCB tracks on the optical block as shown in the drawing in order to protect the pick-up before removal.

**NOTE:** Replacement pickup assemblies are supplied with the PCB pattern already protected.

DO NOT REMOVE THE SHORT CIRCUITS UNTIL YOU HAVE FINISHED FITTING THE PICK-UP.

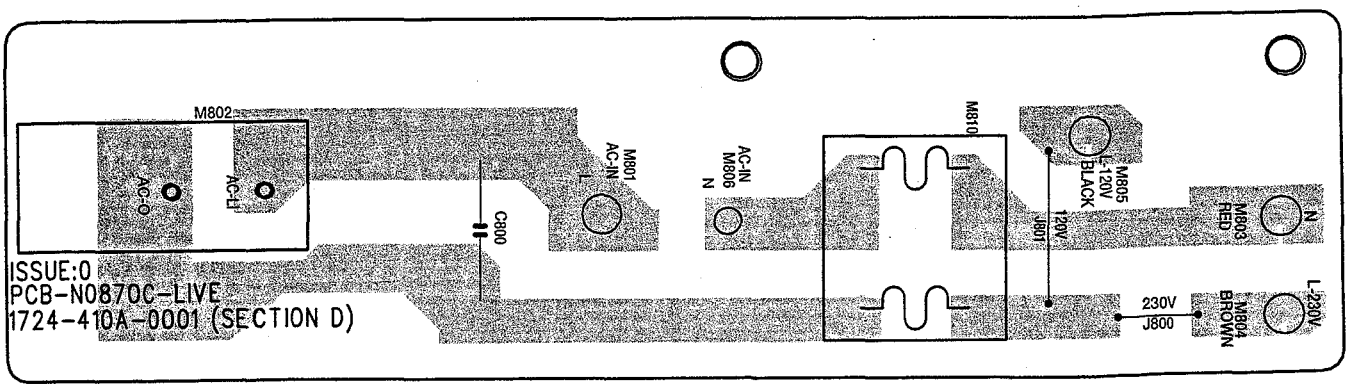



**Caution:**
Laser diodes are extremely susceptible to damage from static eletricity. Even if a static discharge does not ruin the diode, it can shorten its life or cause it to work improperly. When replacing the pick-up, use a conductive mat, a grounded soldering iron, and so on, to protect the laser diode from static damage.

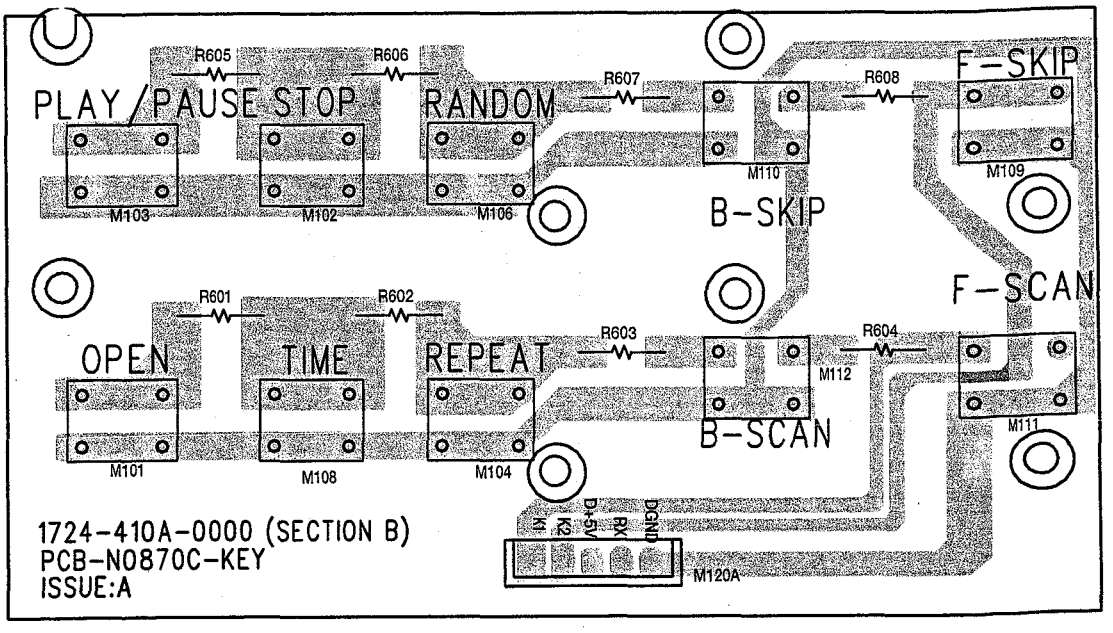


# PCB LAYOUT

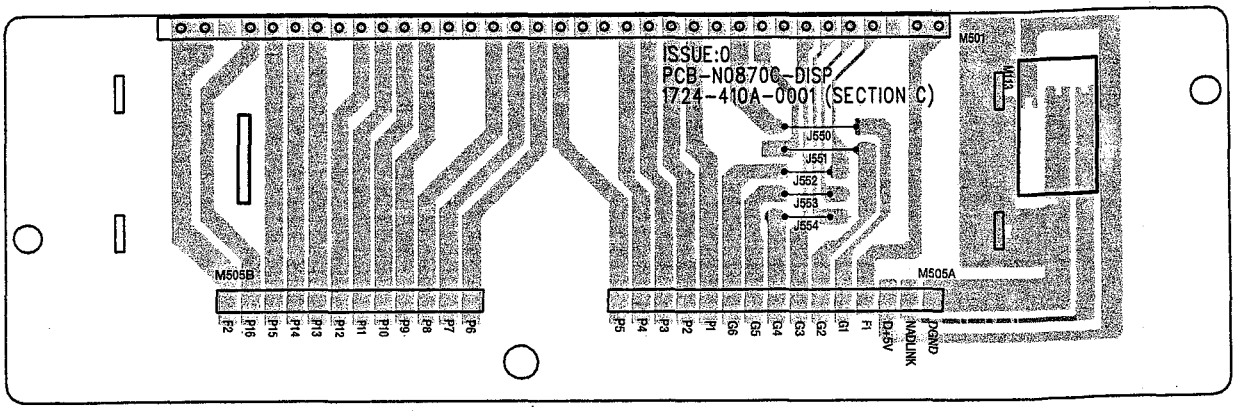
## LIVE BOARD



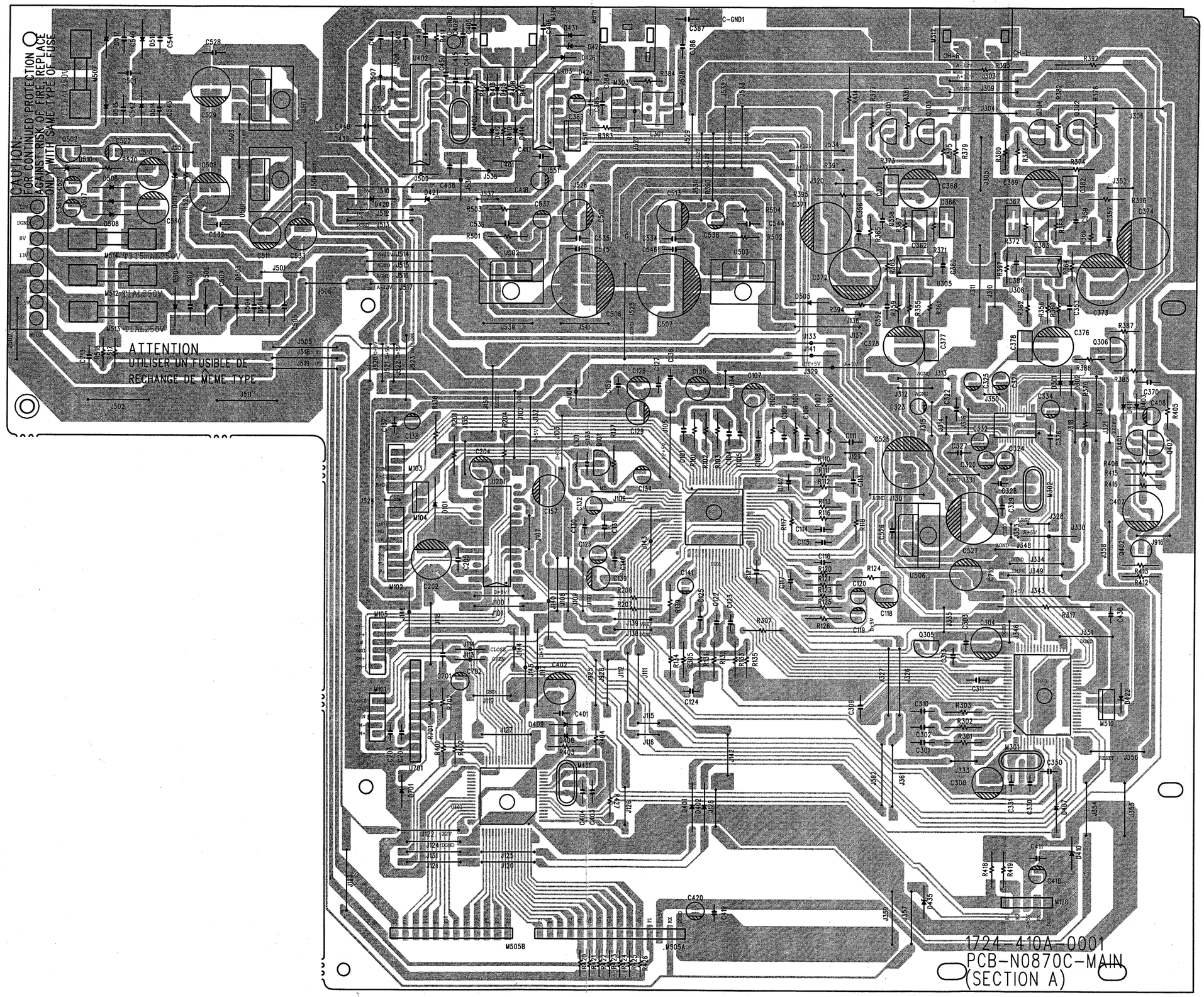

## KEYBOARD



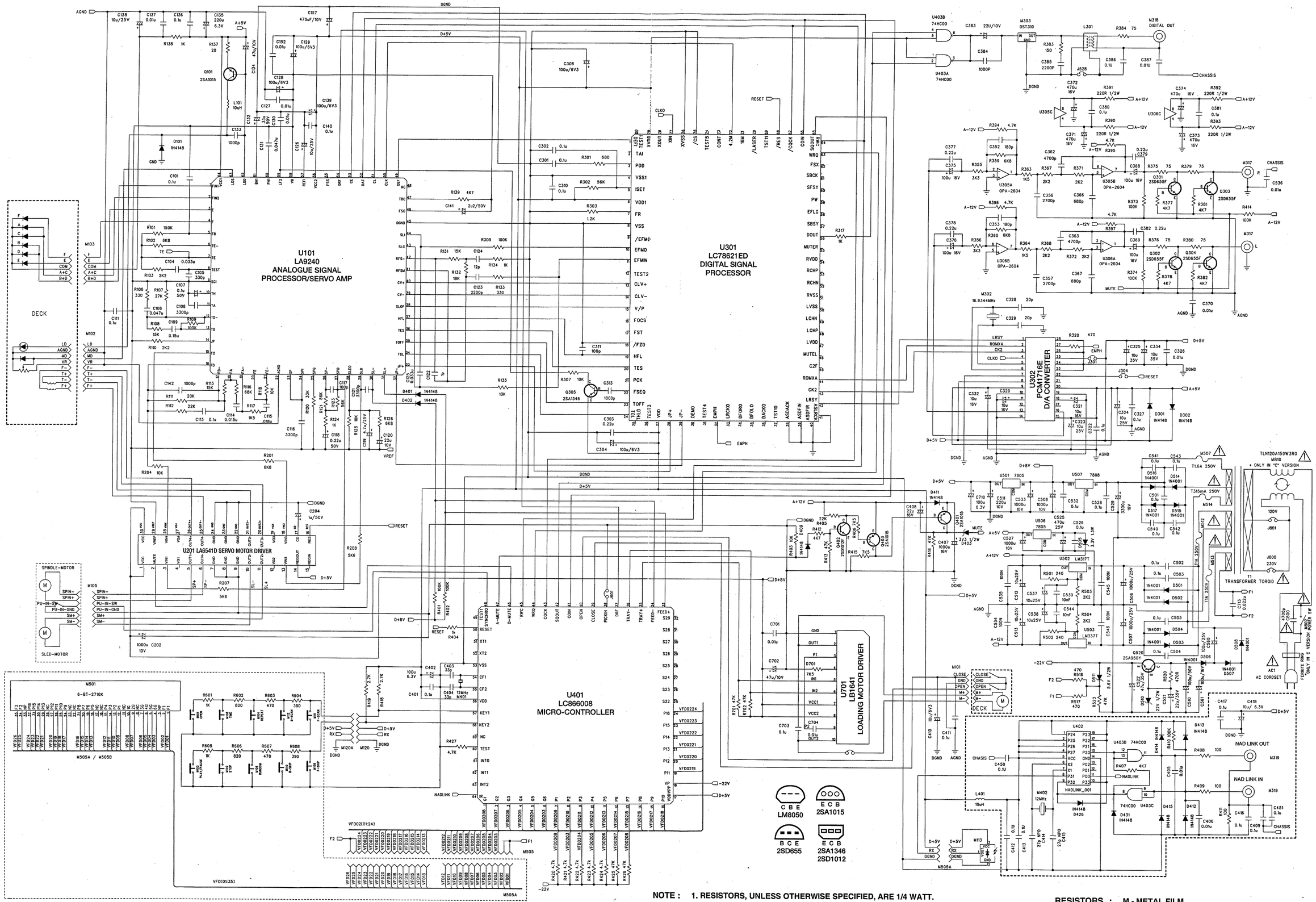

## DISPLAY BOARD



## MAIN BOARD


CAUTION:
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE OF FUSE
T1.6AL250V
ATTENTION
UTILISER UN FUSIBLE DE
RECHANGE DE MEME TYPE
T315mAL250V
T1AL250V
T1AL250V
C-GND1
1724-410A-0001
PCB-N0870C-MAIN
(SECTION A)

# SCHEMATIC DIAGRAM

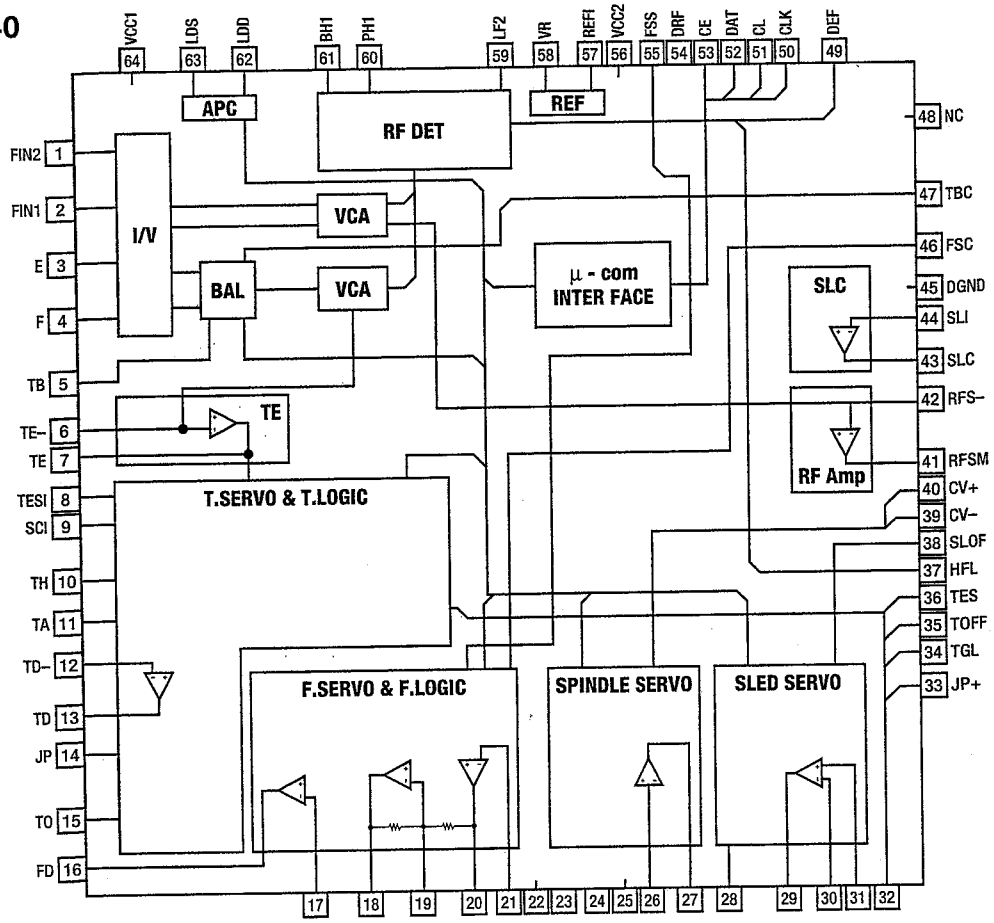



NOTE : 1. RESISTORS, UNLESS OTHERWISE SPECIFIED, ARE 1/4 WATT.
2. ALL CERAMIC CAPACITORS, UNLESS OTHERWISE SPECIFIED, ARE 50V, 10%.
3. COMPONENTS MARKED " ⚠ " ARE SAFETY CRITICAL PARTS.

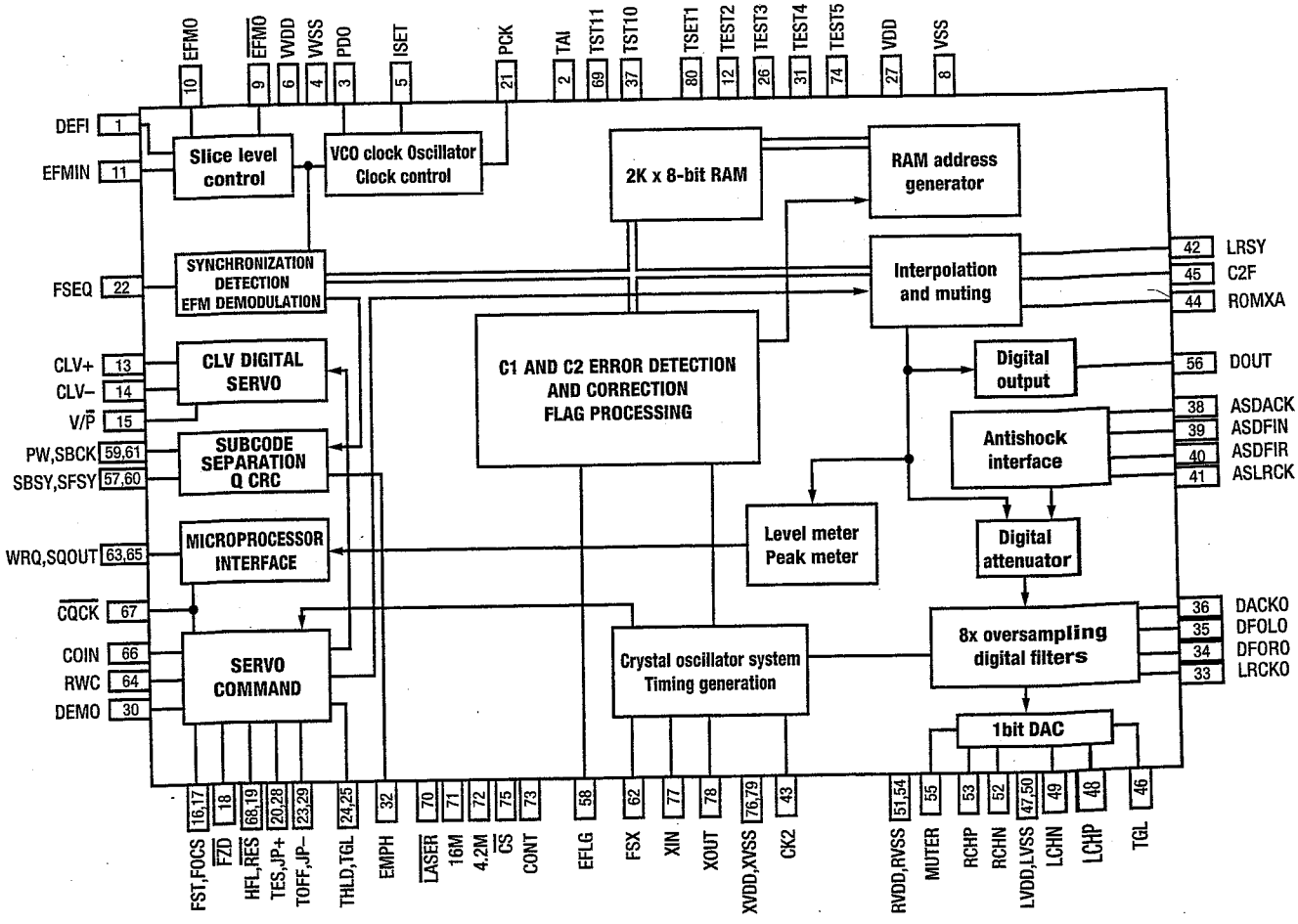
RESISTORS : M - METAL FILM
F - FUSIBLE
CARBON FILM UNLESS OTHERWISE SPECIFIED.

# IC BLOCK DIAGRAM

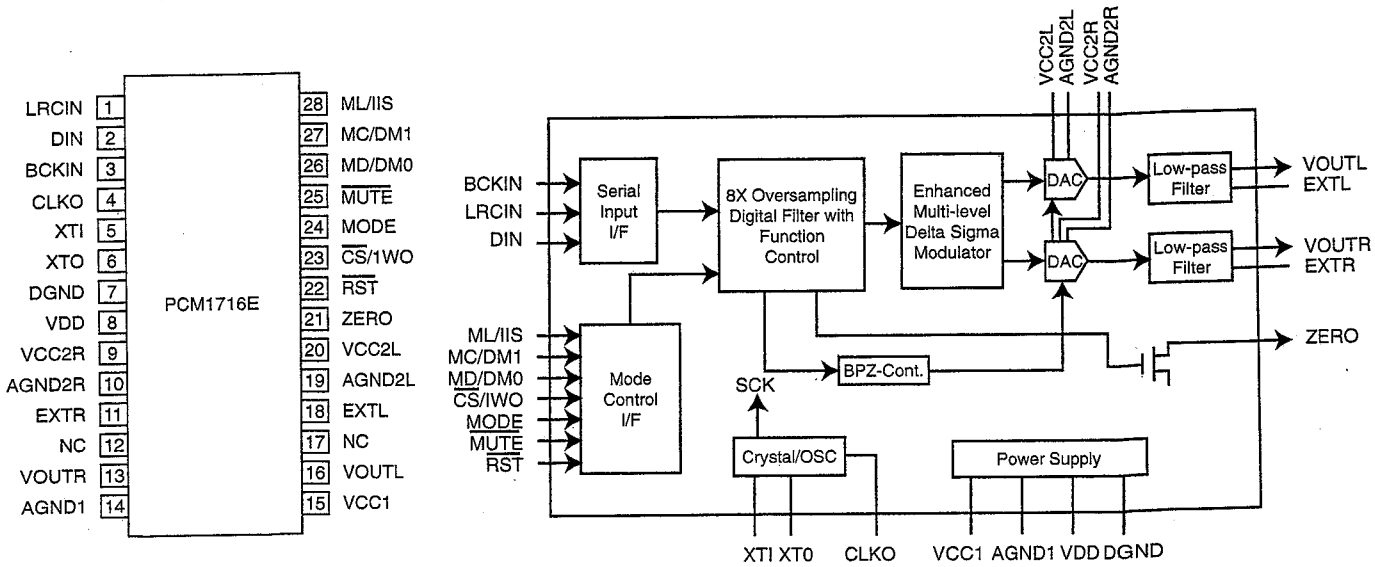
## U101: LA9240



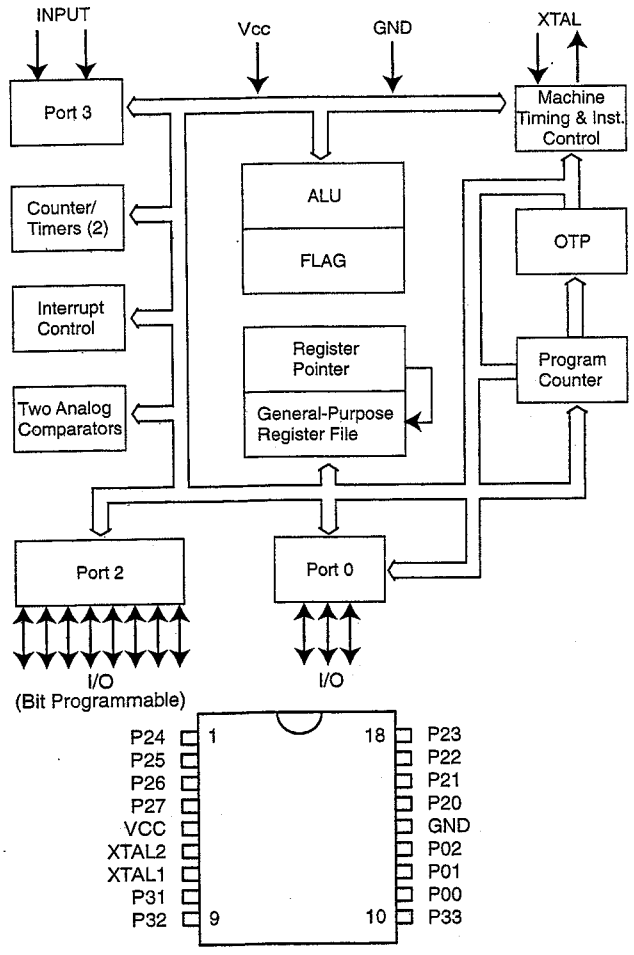

## U301: LC78621ED



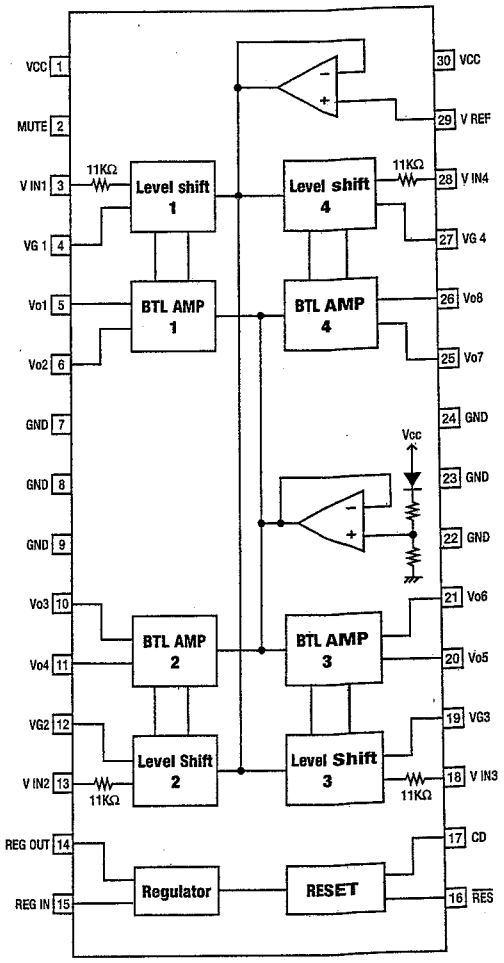
## U302: PCM1716E



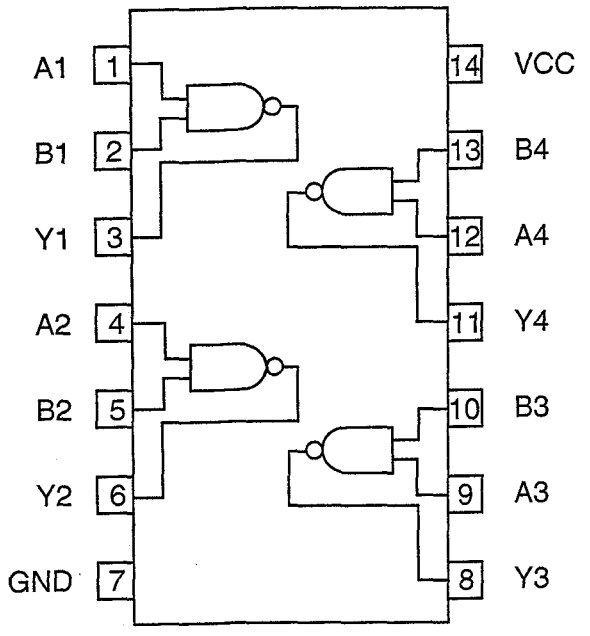

## U402: NADLINK (MASKED)



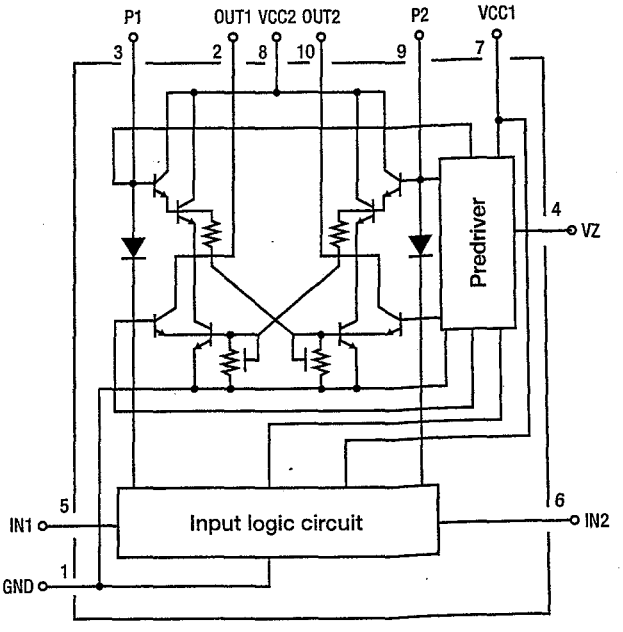

## U201: LA6541D



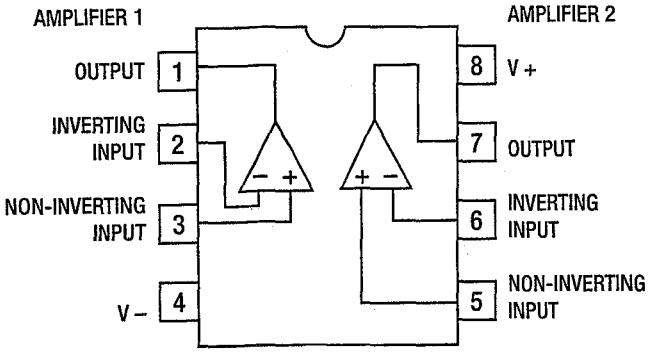
## U403: 74HC00



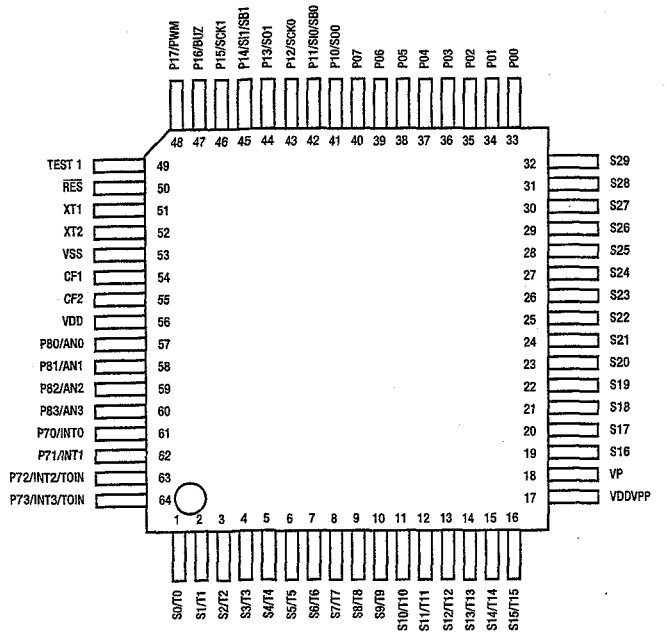

## U701: LB1641



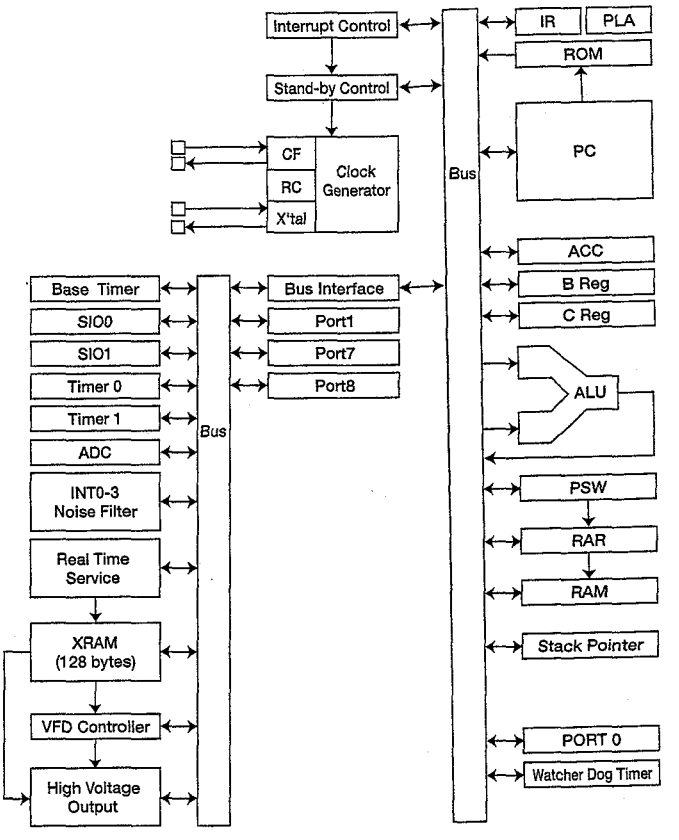

## U305 - U306: OPA2604



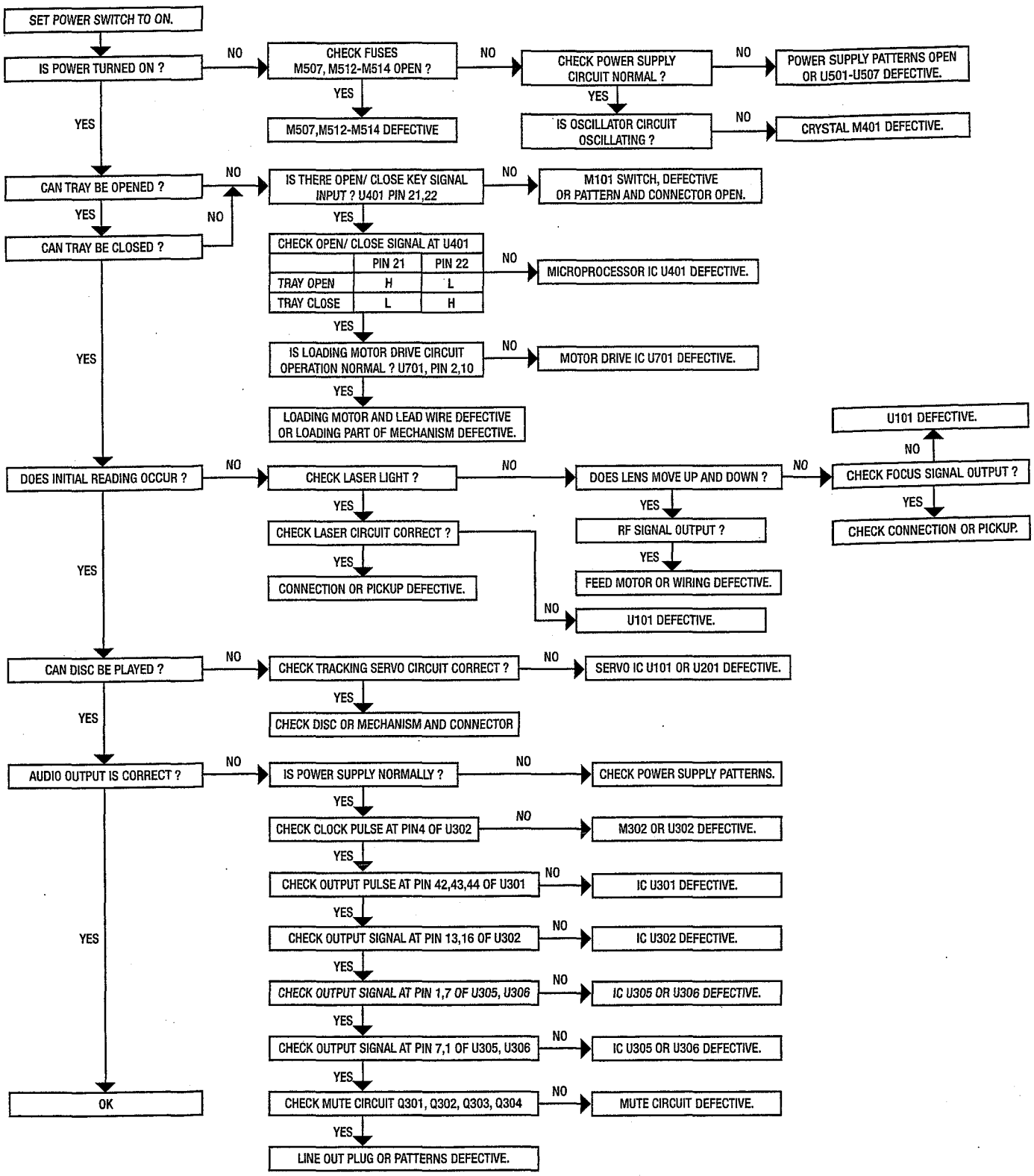

## U401: LC866008C




## IC401: System Block Diagram LC8660/08C



# TROUBLESHOOTING GUIDE



# ELECTRICAL PARTS LIST

| Reference No. | Part No. | Description |
|---|---|---|
| **DISPLAY ASSEMBLY** | | |
| ***PC BOARD*** | PCB-N0870C-DISP | DISPLAY ASSEMBLY |
| ***IR SENSOR*** | | |
| M113 | 4816-043T-3 | IR SENSOR PIC-26043TM2 |
| **KEYBOARD ASSEMBLY** | | |
| ***PC BOARD*** | PCB-N0870C-KEY | KEYBOARD ASSEMBLY |
| ***SWITCHES*** | | |
| M101-M104,M106 | 5200-3538-0 | SWITCH, TACT SKHHBY |
| M108-M112 | 5200-3538-0 | SWITCH, TACT SKHHBY |
| **LIVE BOARD ASSEMBLY** | | |
| ***PC BOARD*** | | |
| *AH | PCB-N0870C-LIVE | LIVE BOARD ASSEMBLY |
| *C | PCB-N0871C-LIVE | LIVE BOARD ASSEMBLY |
| ***CAPACITOR*** | | |
| C800 ⚠ | 8910-0049-0 | CAP 400V 4700P DE7150F472MVA1KC |
| ***JUMPERS*** | | |
| J801*AH | 635N-0002-0 | WJ ROLLER FORM D=0.6MM |
| J800*C | 635N-0002-0 | WJ ROLLER FORM D=0.6MM |
| M810A*AH | 635N-0002-0 | WJ ROLLER FORM D=0.6MM |
| M810B*AH | 635N-0002-0 | WJ ROLLER FORM D=0.6MM |
| ***EMI FILTER*** | | |
| M810*C ⚠ | 1806-2170-0 | EMI FILTER TLN12UA |
| **MAIN BOARD ASSEMBLY** | | |
| ***PC BOARD*** | PCB-N0870C-MAIN | MAIN BOARD ASSEMBLY |
| ***CAPACITORS*** | | |
| C104 | 153F-333J-5-MS | CM 50V 0.033μF 5% |
| C106 | 153F-473J-5-NR | CM 50V 0.047μF 5% |
| C107 | 157F-104M-5-GMK | CE 50V 0.1μF 20% |
| C108 | 153F-332J-5-KW | CM 50V 3300pF 5% |
| C109 | 153F-154J-5-NLM | CM 50V 0.15μF 5% |
| C114 | 153F-153J-5-KP | CM 50V 0.015μF 5% |
| C115 | 153F-183J-5-KP | CM 50V 0.018μF 5% |
| C116 | 153F-332J-5-KW | CM 50V 3300pF 5% |
| C118 | 157F-224M-5-GMK | CE 50V 0.22μF 20% |
| C119 | 157E-475M-5-GMK | CE 25V 4.7μF 20% |
| C120 | 157C-226M-5-IUK | CE 10V 22μF 20% |
| C121 | 153F-332J-5-KW | CM 50V 3300pF 5% |
| C122 | 15CH-050D-5-GG | CC 5pF ±0.5pF NPO |
| C123 | 153F-222J-5-IM | CM 50V 2200pF 5% |
| C124 | 15CH-120J-5-GG | CC 12pF 5% NPO |
| C125 | 153F-333J-5-MS | CM 50V 0.033μF 5% |
| C126 | 157E-106M-5-GMK | CE 25V 10μF 20% |
| C127 | 153F-103J-5-IM | CM 50V 0.01μ 5% |

| Reference No. | Part No. | Description |
|---|---|---|
| C128-C129 | 157B-107M-5-KMK | CE 6.3V 100µF 20% |
| C130 | 153F-103J-5-IM | CM 50V 0.01µ 5% |
| C131 | 153F-473J-5-NR | CM 50V 0.047µF 5% |
| C132 | 157F-334M-5-GMK | CE 50V 0.33µF 20% |
| C133 | 153F-102J-5-IM | CM 50V 1000pF 5% |
| C134 | 157C-476M-5-IMK | CE 10V 47µF 20% |
| C135 | 157B-227M-5-LMK | CE 6.3V 220µF 20% |
| C137 | 153F-103J-5-IM | CM 50V 0.01µ 5% |
| C138 | 157E-106M-5-GMK | CE 25V 10µF 20% |
| C139 | 157B-107M-5-KMK | CE 6.3V 100µF 20% |
| C141 | 157F-225M-5-GMK | CE 50V 2.2µF 20% |
| C142 | 153F-102J-5-IM | CM 50V 1000pF 5% |
| C152 | 153F-103J-5-IM | CM 50V 0.01µF 5% |
| C157 | 157C-477M-5-OVK | CE 10V 470µF 20% |
| C202 | 157C-108M-5-S5K | CE 10V 1000µF 20% |
| C204 | 157F-105M-5-GMK | CE 50V 1µF 20% |
| C205 | 153F-103J-5-IM | CM 50V 0.01µF 5% |
| C303 | 153F-223J-5-LQ | CM 50V 0.022µF 5% |
| C304,C308 | 157B-107M-5-KMK | CE 6.3V 100µF 20% |
| C313 | 153F-102J-5-IM | CM 50V 1000pF 5% |
| C320-C324 | 157D-106M-5-IUF3 | CE 16V 10µF 20% |
| C325 | 157Q-106M-5-IUK | CE 35V 10µF 20% |
| C328-C329 | 15CH-200J-5-GG | CC 20pF 5% NPO |
| C332 | 157D-106M-5-IUF3 | CE 16V 10µF 20% |
| C334 | 157Q-106M-5-IUK | CE 35V 10µF 20% |
| C356-C357 | 153F-272J-5-JM | CM 50V 2700pF 5% |
| C362-C363 | 153I-472K-9-NL | CM 63V 0.0047µF 10% |
| C366-C367 | 158F-681J-5-KW | CP 50V 680pF 5% |
| C368-C369 | 157D-107M-5-SXF3 | CE 16V 100µF 20% |
| C370 | 153F-103J-5-IM | CM 50V 0.01µF 5% |
| C371-C374 | 157D-477M-5-X9F3 | CE 16V 470µF 20% |
| C375-C376 | 157D-107M-5-SXF3 | CE 16V 100µF 20% |
| C377-C379,C382 | 153I-224J-9-NL | CM 63V 0.22µF 5% |
| C383 | 157C-226M-5-IUK | CE 10V 22µF 20% |
| C384 | 153F-102J-5-IM | CM 50V 1000pF 5% |
| C385 | 153F-222J-5-IM | CM 50V 2200pF 5% |
| C402 | 157B-107M-5-KMK | CE 6.3V 100µF 20% |
| C403-C304 | 15CH-330J-5-IG | CC 33pF 5% NPO |
| C407 | 157D-108M-5-S9K | CE 16V 1000µF 20% |
| C408 | 157D-226M-5-GMK | CE 16V 22µF 20% |
| C410 | 157D-106M-5-GMK | CE 16V 10µF 20% |
| C411 | 153F-103J-5-IM | CM 50V 0.01µF 5% |
| C414-C415 | 15CH-270J-5-GG | CC 27pF 5% NPO |
| C418,C420 | 157D-106M-5-GMK | CE 16V 10µF 20% |
| C419 | 153F-103J-5-IM | CM 50V 0.01µF 5% |
| C506-C507 | 157E-108M-5-5$F3 | CE 25V 1000µF 20% |
| C508 | 157C-108M-5-S5K | CE 10V 1000µF 20% |
| C510 | 157F-107M-5-OVK | CE 50V 100µF 20% |
| C511 | 157C-227M-5-OMK | CE 10V 220µF 20% |
| C512-C513 | 157E-106M-5-IUF3 | CE 25V 10µF 20% |
| C521 | 157F-226M-5-IUK | CE 50V 22µF 20% |
| C522 | 157Q-476M-5-LUA | CE 35V 47µF 20% |
| C525 | 157D-477M-5-X9F3 | CE 16V 470µF 20% |
| C527 | 157C-108M-5-X&F3 | CE 10V 1000µF 20% |
| C529 | 157D-338M-5-5&K | CE 16V 3300µF 20% |
| C533 | 157C-108M-5-S5K | CE 10V 1000µF 20% |
| C537-C538 | 157E-106M-5-IUF3 | CE 25V 10µF 20% |
| C539,C544 | 153F-103K-5-IM | CM 50V 0.01µF 10% |
| C560-C561 | 157E-107M-5-KUK | CE 25V 100µF 20% |
| C701 | 153F-103K-5-IM | CM 50V 0.01µF 10% |

| Reference No. | Part No. | Description |
|---|---|---|
| C702 | 157C-476M-5-IMK | CE 10V 47µF 20% |
| C704 | 153F-103J-5-IM | CM 50V 0.01µF 5% |
| C710 | 157B-107M-5-KMK | CE 6.3V 100µF 20% |
| C713 | 153F-223K-5-LQ | CM 50V 0.022µF 10% |
| ***DIODES*** | | |
| D101,D301-D302 | 4804-1480-2 | DIODE 1N4148 AT |
| D401-D402 | 4804-1480-2 | DIODE 1N4148 AT |
| D403 | 4837-3V31-2 | DZ 1/2W 3.1-3.5V AT |
| D409,D411-D415 | 4804-1480-2 | DIODE 1N4148 AT |
| D426,D431 | 4804-1480-2 | DIODE 1N4148 AT |
| D501-D504 | 4804-0010-2 | DIODE 1N4001 AT |
| D505 | 4840-1140-0 | ZD 1.3W 3.3V 5% AT |
| D506-D508 | 4804-0010-2 | DIODE 1N4001 AT |
| D510 | 4840-0850-0 | ZD 1/2W 21.52-22.63V AT |
| D511 | 4837-5V61-2 | DZ 1/2W 5.6V AT |
| D514-D517 | 4804-0010-2 | DIODE 1N4001 AT |
| ***COIL*** | | |
| L101 | 1801-100K-M | COIL 10UH 10% BL7.0 |
| L301 | 1802-0450-0 | DIGITAL COIL 015-910-27BB |
| ***CRYSTAL & RESONATORS*** | | |
| M302 | 2300-1910-0 | X'TAL 16.9344MHZ ±30PPM AT-51 |
| M401-M402 | 2703-0190-0 | CR RESONATOR CSA 12MHZ |
| ***EMC FILTER*** | | |
| M303 | 2704-0060-0 | EMC FILTER DSS31055B271M |
| ***TRANSISTORS*** | | |
| Q101 | 4851-015Y-5 | TR 2SA1015-Y HFE 120-240 |
| Q301-Q304 | 4860-1780-5 | TR 2SD655F HFE 600-1200 |
| Q305 | 485A-1346-5 | TR 2SA1346 HFE 50-100 |
| Q401,Q403 | 4860-0660-5 | TR 2SA1015GR |
| Q402 | 4851-012F-5 | TR 2SD1012F/G HFE 160-560 |
| Q502 | 485A-950Y-5 | TR 2SA950-Y HFE 100-200 |
| ***RESISTORS*** | | |
| R361-R362,R365-R366 | 635N-0002-0 | WJ ROLLER FORM D=0.6MM |
| R390-R393 | 4717-221J-L | RMF 1/2W 220 OHM 5% |
| ***ICs*** | | |
| U101 | 3130-6710-0 | IC LA9240 ASP |
| U201 | 3130-6720-0 | IC LA6541D 4-CHANNEL BTL DRIVER |
| U301 | 3130-6700-0 | IC LC78621ED DSP |
| U302 | 3130-8520-0 | IC PCM1716E D/A CONVERTER 24BIT |
| U305-U306 | 3130-9340-0 | IC OPA2604 OPAMP |
| U401 | 3130-9330-1 | IC LC866008C MICROCONTROLLER MASKED |
| U402 | 3130-9320-0 | IC NADLINK MICROCONTROLLER MASKED |
| U403 | 3130-4160-0 | IC TC74HC00AP DIGITAL |
| U501,U506 | 3130-2020-3 | IC 7805 5V REGULATOR |
| U502 | 3130-5610-0 | IC LM317T+ADJ REGULATOR |
| U503 | 3130-5620-0 | IC LM337T-ADJ REGULATOR |
| U507 | 3130-2790-1 | IC NJM7808FA +8V REGULATOR |
| U701 | 3130-6560-0 | IC LB1641 MOTOR DRIVER |

**NOTE :** **–The components identified by ⚠ mark are critical for risk of fire and electrical shock. Replace only with part number specified.**

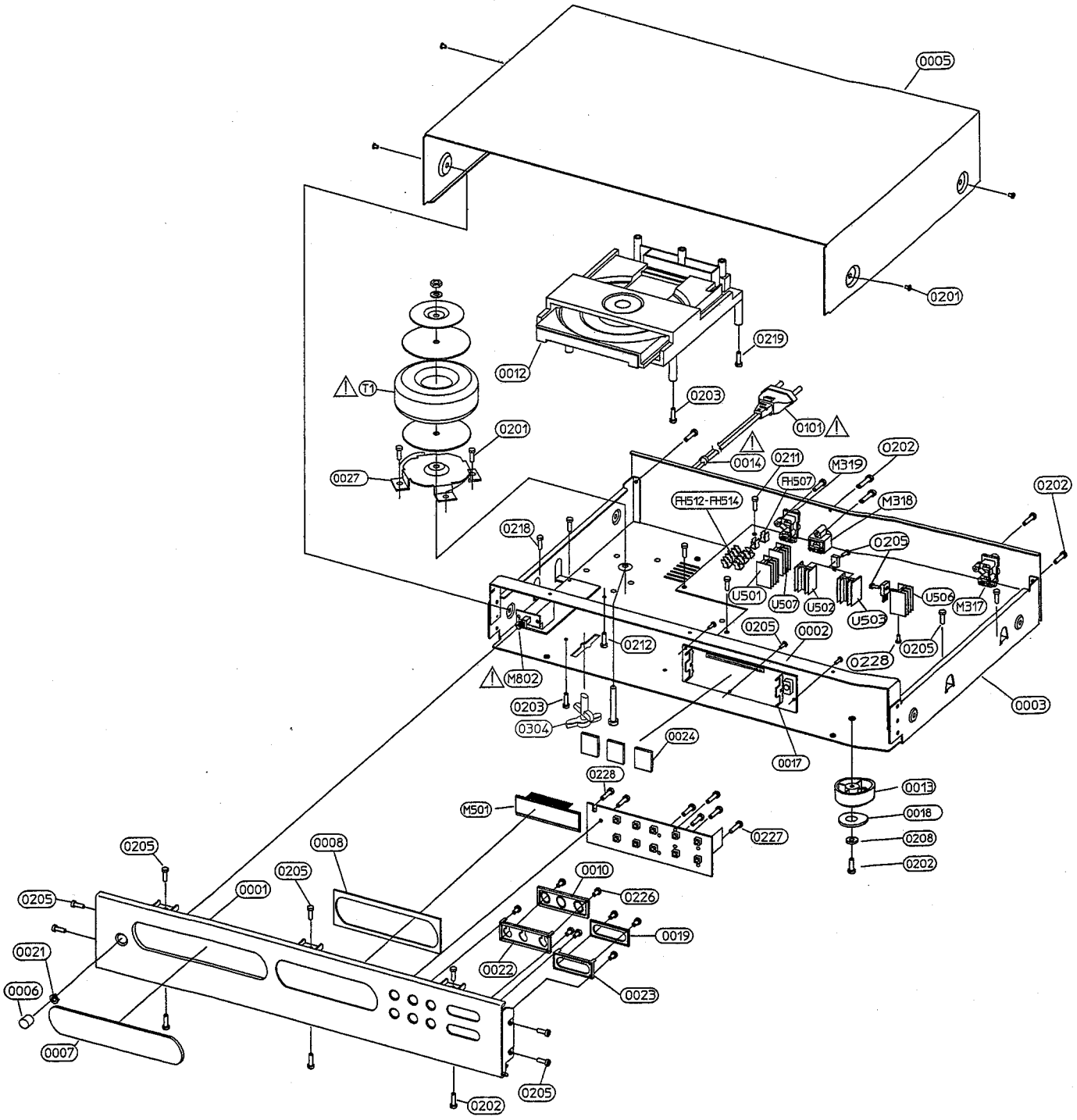
**– <*AH > : USA, Canadian model only.**

**<*C > : European model only.**

**–Capacitors : CM-Mylar, CE-Electrolytic, CC-Ceramic.**

**–Resistors : RMF-Metal Film.**

# EXPLODED VIEW



# EXPLODED VIEW PARTS LIST

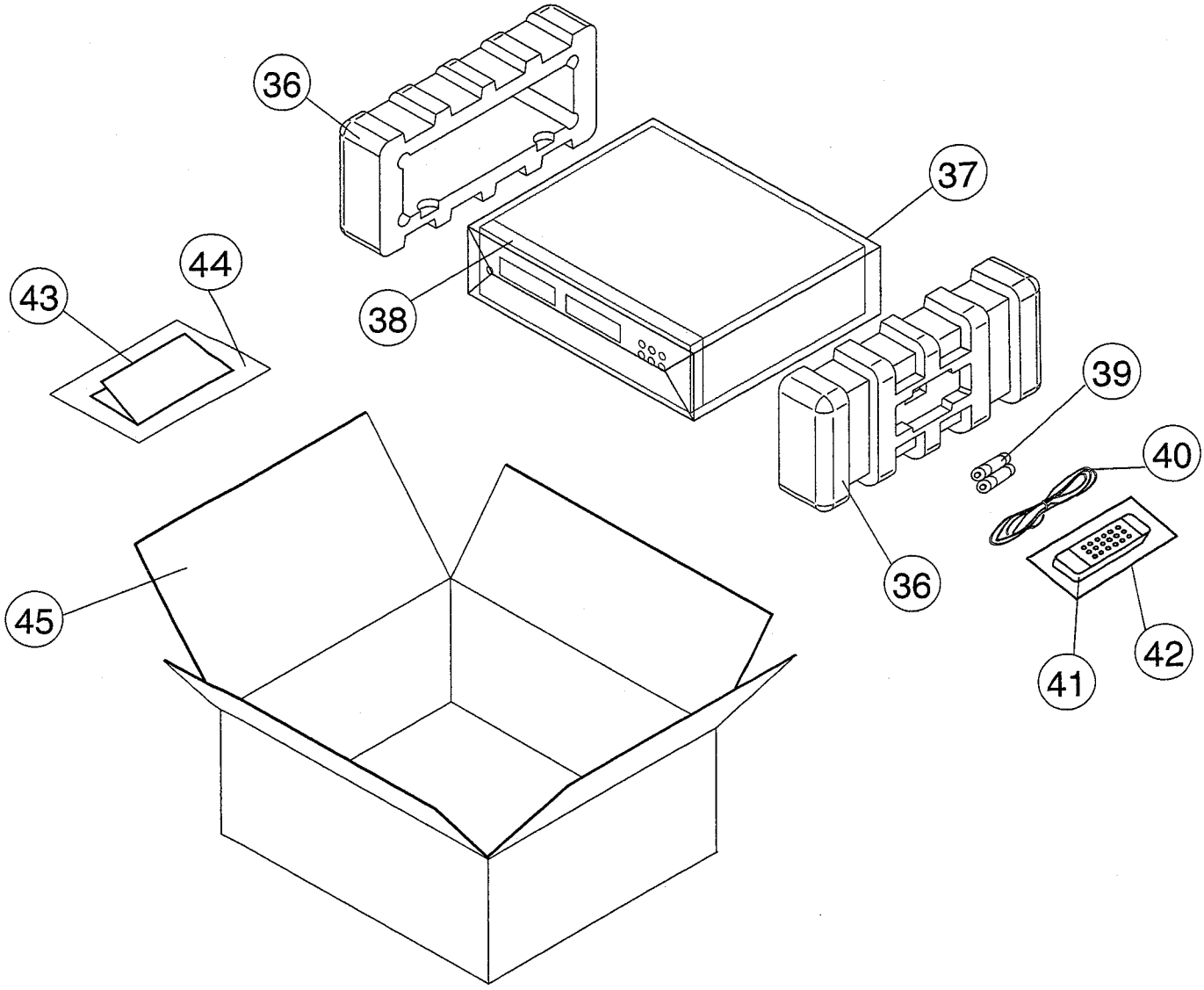
| Item | Part No | Description | Qty |
|---|---|---|---|
| 0001 | 1465-5702-0 | FASCIA W/SS PAINT | 1 |
| 0002 | 1402-3781-1 | STRAP | 1 |
| 0003*AH | 1402-7764-0 | CHASSIS W/SS PAINT | 1 |
| 0003*C | 1402-7765-0 | CHASSIS W/SS PAINT | 1 |
| 0005 | 1402-3530-0 | COVER | 1 |
| 0006 | 2442-1000-0 | POWER BUTTON | 1 |
| 0007 | 1464-6011-2 | CD DOOR W/PAINT | 1 |
| 0008 | 3716-4312-0 | WINDOW LENS W/SS | 2 |
| 0010 | 2444-1201-0 | BUTTON TRIO | 1 |
| 0012 | 4111-0901-1 | CD DECK | 4 |
| 0013 | 4152-4631-0 | RUBBER FOOT 14MM HIGH | 1 |
| 0014 ⚠ | 4151-9461-0 | STRAIN RELIEF BUSHING 4N-4 | 2 |
| 0017 | 4134-8701-0 | VFD HOLDER | 4 |
| 0018 | 4152-4641-0 | CUSHION FOOT | 2 |
| 0019 | 2444-1301-0 | BUTTON RACKER | 1 |
| 0021 | 4152-4331-0 | POWER BUTTON BEZEL | 2 |
| 0022 | 4154-0031-0 | BEZEL TRIO | 2 |
| 0023 | 4154-0091-0 | BEZEL RACKER | 3 |
| 0024 | 4152-4841-1 | BLACK CUSHION | 1 |
| 0027 | 4104-3721-0 | TRANSFORMER BRACKET | 1 |
| 0101*AH ⚠ | 7009-3100-2 | AC CORD 18AWGX2 SPT-2 D.INSULATED UL/CSA | 1 |
| 0101*C ⚠ | 7009-3110-0 | AC CORD SEMKO | 8 |
| 0201 | 2900-4006-3010 | M4X0.5PX6MM W/FLAT WASHER | 13 |
| 0202 | 2954-3008-3000 | TAPPING SCREW 3X8MM (BLK.ZN) | 2 |
| 0203 | 2954-3010-3000 | TAPPING SCREW 3X10MM (BLK.ZN) | 14 |
| 0205 | 2954-3008-0000 | TAPPING SCREW 3X8MM (YEL.ZN) | 4 |
| 0208 | 2842-3367-0 | METAL WASHER ID=3.3 OD=6.7 | 4 |
| 0211 | 2904-3006-0000 | SCREW M3X6 (YEL.ZN) | 1 |
| 0212 | 2954-3510-3000 | TAPPING SCREW 3.5X10MM (BLK.ZN) | 2 |
| 0218 | 2954-3008-0000 | TAPPING SCREW 3X8MM (YEL.ZN) | 1 |
| 0219 | 2954-4010-3000 | SCREW TAP-C2 BH M4X 10 M M BZ CROSS | 8 |
| 0226 | 2954-2006-0000 | TAPPING SCREW 2X6MM (YEL.ZN) | 7 |
| 0227 | 2954-2608-0000 | TAPPING SCREW 2.6X8MM (YEL.ZN) | 6 |
| 0228 | 2950-2608-3000 | TAPPING SCREW 2.6X8MM PH (BLK.ZN) | 1 |
| 0304 | 1463-160B-0 | CD TRANSIT LOCK | 2 |
| FH507 | 4131-9131-0 | FUSE HOLDER 6.5MM PITCH RECT | 6 |
| FH512-FH514 | 4131-9131-0 | FUSE HOLDER 6.5MM PITCH RECT | 1 |
| M317 | 2113-1300-0 | 2P RCA JACK W/R AU W/SHIELD | 1 |
| M318 | 2113-1170-0 | 1P RCA JACK YL AU HTJ-032-09 | 1 |
| M319 | 2113-1121-0 | 2P RCA JACK Y/Y AU HSP-242V-22 | 1 |
| M501 | 2460-1870-0 | VFD 6-BT-271GK | 1 |
| M802 ⚠ | 5200-3151-0-01 | POWER SWITCH | 1 |
| T1 ⚠ | 1806-2512-0 | TRANSFORMER I/P120/230V | 3 |
| U501-U503 | 5400-9130-0 | HEAT SINK FOR 7805 2438- 17 | 2 |
| U506-U507 | 5400-9130-0 | HEAT SINK FOR 7805 2438- 17 | |

**NOTE :** – **The components identified by ⚠ mark are critical for risk of fire and electrical shock. Replace only with part number specified.**

– **<*AH > : USA, Canadian model only.**

**<*C > : European model only.**

# PACKING DIAGRAM




| ITEM | PART NO. | DESCRIPTION | Q'TY |
|---|---|---|---|
| 36 | 1490-1783-0 | POLYFOAM ENDCAP | 2 |
| 37 | 1497-1332-1 | UNIT POLYBAG | 1 |
| 38 | 1497-1432-0 | FASCIA COVER | 1 |
| 39 | 4060-0530-0 | BATTERIES | 2 |
| 40 | 2103-7302-1 | RCA CABLE | 1 |
| 41 | 8900-9180-0 | REMOTE CONTROL HANDSET | 1 |
| 42 | 1497-1302-0 | REMOTE CONTROL POLYBAG | 1 |
| 43 | 4301-4837-0 | INSTRUCTION MANUAL | 1 |
| 44 | 1497-1062-0 | MANUAL POLYBAG | 1 |
| 45 | 1480-0301-1 | CARTON BOX | 1 |

Proprietary information for servicing purposes only. The information herein may not be used commercially without the prior written agreement of NAD Electronics Ltd., London, England.